

L Number	Hits	Search Text	DB	Tim stamp
1	194	349/54.ccis.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/01 13:08
8	1	97-6956	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/01 13:08
15	1	1997KR-0006956.ap.prai.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/01 13:22
22	1	1997KR-0004003.ap.prai.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/01 14:21
29	1	1987JP-0204650.ap.prai.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/01 14:24
36	1	1987JP-0204651.ap.prai.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/01 14:32
43	70938	(eliminat\$3 prevent\$3) near4 (short\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/01 14:37
50	966	((eliminat\$3 prevent\$3) near4 (short\$3)) and 349/\$.ccis.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/01 14:28
57	2386	((eliminat\$3 prevent\$3) near4 (short\$3)) near13 (source or drain)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/01 14:39
64	82	((((eliminat\$3 prevent\$3) near4 (short\$3)) near13 (source or drain)) and 349/\$.ccis.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/01 14:39
71	3	"02010331"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/01 14:32
79	117237	(eliminat\$3 prevent\$3 reduction reduc\$3) near4 (short\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/01 14:38

86	3686	((eliminat\$3 prevent\$3 reduction reduc\$3) near4 (short\$3)) near13 (source or drain)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/01 14:39
93	113	((((eliminat\$3 prevent\$3 reduction reduc\$3) near4 (short\$3)) near13 (source or drain)) and 349/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/01 14:39

DERWENT-ACC-NO: 1999-599446

DERWENT-WEEK: 200325

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TITLE: Manufacturing method for liquid crystal display device, involves forming source electrode, source line, drain electrode, gate shorting bar and source shorting bar by using chromium or chromium alloy

INVENTOR: LEE, S; LEE, S S

PATENT-ASSIGNEE: LG PHILIPS LCD CO LTD[GLDS] , LG ELECTRONICS INC[GLDS]

PRIORITY-DATA: 1997KR-0004003 (February 11, 1997)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
KR 98067741 A	October 15, 1998	N/A	000	H01L 027/12
KR 244449 B1	February 1, 2000	N/A	000	H01L 027/12
US 6184948 B1	February 6, 2001	N/A	020	G02F 001/1333

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
KR 98067741A	N/A	1997KR-0004003	February 11, 1997
KR 244449B1	N/A	1997KR-0004003	February 11, 1997
US 6184948B1	N/A	1998US-0005587	January 12, 1998

INT-CL (IPC): G02F001/13, G02F001/1333 , G02F001/136 , G09G003/36 , H01L027/12 , H01L031/00

ABSTRACTED-PUB-NO: KR 98067741A

BASIC-ABSTRACT:

NOVELTY - A source electrode (121), a source line (123), a drain electrode (131), a gate shorting bar (147G) and a source shorting bar (147S) are respectively formed by using chromium or chromium alloy. A gate insulation layer, a semiconductor layer (135) and a doped semiconductor layer are sequentially formed by depositing an insulating material, an intrinsic material and a doped material.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a liquid crystal display device.

USE - For liquid crystal display device used to display motion picture images.

ADVANTAGE - Reduces cost and increases production yield of LCD devices. Reduces masking step. Detects error when neighboring gate lines or source lines are shorted together.

DESCRIPTION OF DRAWING(S) - The figure shows the partial plan view of a liquid crystal display device.

Source electrode 121

Source line 123

Drain electrode 131

Semiconductor layer 135

Gate shorting bar 147G

Source shorting bar 147S

ABSTRACTED-PUB-NO: US 6184948B

EQUIVALENT-ABSTRACTS:

NOVELTY - A source electrode (121), a source line (123), a drain electrode (131), a gate shorting bar (147G) and a source shorting bar (147S) are respectively formed by using chromium or chromium alloy. A gate insulation layer, a semiconductor layer (135) and a doped semiconductor layer are sequentially formed by depositing an insulating material, an intrinsic material and a doped material.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a liquid crystal display device.

USE - For liquid crystal display device used to display motion picture images.

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Source electrode 121

Source line 123

Drain electrode 131

Semiconductor layer 135

Gate shorting bar 147G

Source shorting bar 147S

CHOSEN-DRAWING: Dwg.5/8 Dwg.5/8

TITLE-TERMS: MANUFACTURE METHOD LIQUID CRYSTAL DISPLAY DEVICE FORMING
SOURCE

ELECTRODE SOURCE LINE DRAIN ELECTRODE GATE SHORT BAR SOURCE
SHORT
BAR CHROMIUM CHROMIUM ALLOY

DERWENT-CLASS: P81 P85 U14

EPI-CODES: U14-K01A2; U14-K01A3; U14-K01A4B;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N2002-092028